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(54) Title: METHOD OF SCREENING FOR AGENTS THAT MODULATE IMMUNOPHILIN/PEPTIDYLPROLINE
CIS-TRANS ISOMERASE (PPIASE)-HOMER INTERACTION

(57) Abstract: The invention features a method of identifying, evaluating and screening for compounds or agents for the treatment of disorders involving the Homer signaling pathway in the modulation of immunosuppression and neuroprotection. The method includes evaluating the ability of agents to modulate Homer protein activity, Homer protein/immunophilin-peptidylproline cis-trans isomerase interaction, and/or Homer protein/proline-type Homer ligand consensus sequence interaction to identify agents for such treatment. The invention also discloses treatment modalities involving agents identified by such methods.

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